demonstrations on "The Properties of Light and Their Application to Astronomical Study."

Vonsen Work Progresses

Cataloguing and segregating the Vonsen collection of minerals is proceeding steadily, reports the Department of Geology, and the collection will be ready for public display shortly.

Surveying the Snails

The latest volume of the Academy's *Proceedings* is a 25-page work on "Snails from California Caves" written by Allyn G. Smith, Research Malacologist at the Academy.

The volume includes several species credited to the author and describes snails from caves in Shasta, Plumas, Amador, Eldorado, Tuolumne, Mariposa, Fresno and Tulare counties.

March Meeting

If the March weather is chilly, it should be tempered somewhat for Academy members when Fran William Hall presents his all-color film, "Hawaii, U. S. A.," Walter B. Scaife Foundation program slated for the March meeting, March 20.

New Faces, Present and Expected

Academy members who think they have seen a new face in the Entomology Department are perfectly correct; it belongs to C. Don MacNeill, who joined the Academy staff January 1. He will be associated with the Entomology staff while Dr. Edward S. Ross completes his monographic work on Embioptera under his recent National Science Foundation grant.

MacNeill is married, lives in Richmond, and is the father of three girls including a set of twins. He is presently completing requirements for his doctorate in Systematic Entomology at the University of California and expects to be finished in June. At the Academy, he is working with the Lepidoptera collection at present.

An expected new face belongs to Charles F. Hagar. The Academy Council last month appointed Hagar to the post of Assistant Curator of the Department of Astronomy. Hagar is presently head guide and lecturer at Griffith Observatory in Los Angeles and is working on his master's degree in Mathematical Astronomy at the University of California at Los Angeles.

He will asssume his duties at the Academy about July 1.

New Members

The following members were elected by the Council at its meeting of January 15, 1957:

Regular Membership

Mr. Jeffry Deering Bulf
Miss Phyllis Carroll
Mr. Ruel R. Crocker
Miss Muriel T. French
Mr. Raymond E. Girton
Mr. John B. Godkin
Mrs. Charlotte H. Kenna
Miss Hylda Knutsen
Mr. T. A. Martenstein
Mr. Norman A. Merritt
Mr. Dolph W. Peake
Dr. Ernest J. Roland
Mrs. Lillian Sonnenschein
Mr. Albert C. Starr
Dr. Fred H. Tarp
Mr. Joseph Volkay
Mr. George W. Williams III

Contributing Membership

Congregation Emanu-El Religious School

Family Membership

Mr. Wilson E. Cline
Dr. Harry Peters
Mr. Ronald A. Tanner
Mrs. Sim Wenner
Dr. Conrad Zagory

Student Membership

Winslow Rouse
Patricia Joan Shannon
Robert Spalasso
Robert N. Trost

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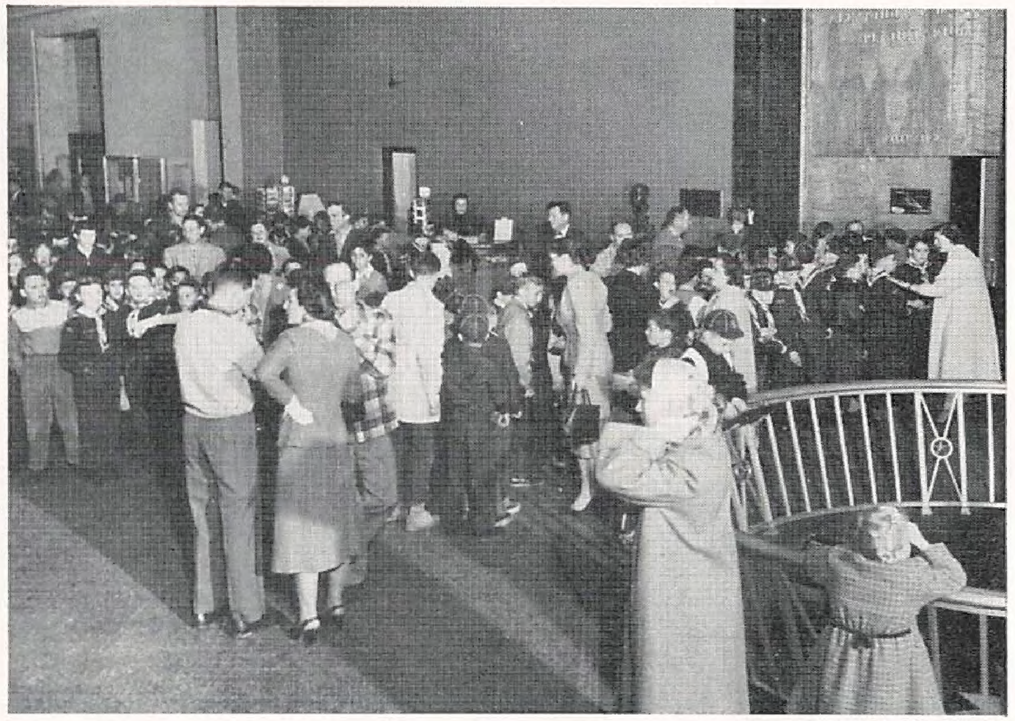

Photo by C. E. Crompton

Cub Scouts Queue Up for Special Planetarium Show

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February Announcement

THE REGULAR FEBRUARY MEETING of the California Academy of Sciences will be held at 8:15 P. M., Wednesday, February 13, in the May Treat Morrison Auditorium. This month's Walter B. Scaife Foundation lecturer will be Robert C. Hermes, photographer, lecturer, artist and, since the age of 12, an ardent naturalist. Hermes purchased his first motion picture camera several years ago, intending to take pictures of his children. Instead, he took some pictures of insects and a new career was launched. Some of the results of this career will be shown Academy members this month when Hermes presents:

"BETWEEN THE TIDES"

Seen from a distance, the sea is a vast, rippling blanket surrounding the land; always majestic yet always mysterious. Man gains insight into this mystery when he studies the coastal strips where the edges of the sea touch the land—where creatures of the two worlds meet and mingle.

From San Francisco's foggy harbor to Hawaii's sun-drenched beaches, coastal strips invite life of varied forms. "Between the Tides" is a color motion picture program that captures the drama of flying sea birds and wading shore birds patrolling the water's edge; ghost and fiddler crabs living out weird life-cycles in an oceanic no-man's land, and tidepools revealing mysteries of teeming life beneath the waves.

SCOUTS SWARM PLANETARIUM

"A SEA OF SCOUTS" was an apt description of Morrison Planetarium during January when about 8,000 Boy and Cub Scouts turned out for special Saturday morning and other shows at the Planetarium.

Seven special Saturday morning shows were held for the Scouts in keeping with the January theme of the Boy Scouts, "Looking Skyward," and the Cub Scouts, "Eyes in the Sky." Before December was over, the seven shows were booked solidly.

Scouts too late for the specials spilled over into regular Saturday, Sunday and weekday shows and Planetarium Manager George Bunton slipped in extra afternoon shows to accommodate the large numbers of Scouts.

ANOTHER FIRST FOR STEINHART

BARRACUDA NATIVE to the Atlantic Ocean have never been displayed on the Pacific Coast, but Steinhart Aquarium, if all goes well, will soon change that situation.

A recent shipment from Marineland in Florida brought three baby Great Barracudas—found from the West Indies to South Carolina—and three tiny Moonfish to be added to the Aquarium's collections. Unfortunately, one of the barracudas died enroute but, at last report, the remaining two and the Moonfish were thriving.

From the Fort Worth Aquarium, Steinhart received a handsome but deadly diamondback rattler, two African Catfish (*Channalabes,* which look more like eels than most eels), two Amazonian banded-back sideneck turtles and an assortment of harmless snakes.

JOBS FOR SCIENTISTS AND ENGINEERS

THE BOARD OF U. S. Civil Service Examiners for Scientists and Engineers, 1030 Green Street, Pasadena 1, California, announces that jobs are available in the U. S. Naval Laboratories in California. Any Academy members or their friends who are interested may contact T. E. Davis, Executive Secretary, at the above listed address.

HIPPOPOTAMUS TAKES SHAPE

DO-IT-YOURSELFERS have tackled everything from houses to helicopters, but a project now near completion at the Academy will undoubtedly escape their attempts.

The project is the reconstruction of an adult African hippopotamus which Cecil Tose, curator of exhibits, has well under way.

Tose started with a non-assembled set of hippo bones obtained by Dean Witter, Academy trustee, and donated to the Academy. The bones were mounted on a wooden framework and made into an imposing skeleton. Then the skeleton was covered with fine-meshed wire over which went a coat of plaster.

To fill out the bulky shape, or shapelessness, of an adult hippopotamus, Tose molded clay over the plaster until he had a faithful representation of a beast that probably weighed about 4,000 pounds and measures ten and a half feet long and five feet high.

The hide of the hippo, also donated by Trustee Witter, will be stretched over the clay and when completed, the work will go on display in African Hall. Tose's next project will be reconstruction of a rhinoceros by the same method.

WILDERNESS CONFERENCE SLATED

A KEY CONSERVATION event of 1957, the Fifth Biennial Wilderness Conference will be held Friday and Saturday, March 15 and 16, at the Fairmont Hotel in San Francisco.

The conference is sponsored by the Sierra Club in cooperation with the Wilderness Society, the American Planning and Civic Association, the Federation of Western Outdoor Clubs, the Izaak Walton League of America and the National Parks Association, plus many governmental agencies.

A panel of Academy speakers will present the program following the conference banquet Friday evening. Speakers will be Dr. Earl S. Herald, Allyn G. Smith and Dr. Robert T. Orr with Dr. Robert C. Miller presiding. They will each discuss a specific aspect of "Wilderness Areas of the Pacific Shoreline."

Other sessions of the two-day conference will feature prominent conservationists presenting papers on a number of important conservation topics.

ASTRONOMY SECTION MEETING

THE NEXT REGULAR meeting of the Astronomy Section will be held at 8 P. M. Wednesday, February 27, in the Student Lecture Room. Planetarium Manager George Bunton will conduct the meeting which will feature discussions and